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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECN 02461	06-29-09	P. BRAVO
B	INCORPORATED ECN 02660 AND 02823	04-20-10	P. BRAVO
C	INCORPORATED ECN 02862, 02609, 03152, AND 03170	07-11-11	P. BRAVO
D	INCORPORATED ECN 03496 AND 04135	10-14-13	P. BRAVO
E	INCORPORATED ECN 04578, 05379, AND 05736	05-01-17	P. BRAVO
F	INCORPORATED ECN 05938	02-22-18	P. BRAVO
G	INCORPORATED ECN 06008	07-06-18	P. BRAVO
H	INCORPORATED ECN 06365	08-29-19	P. BRAVO
J	INCORPORATED ECN 06445	01-28-20	J. GARDINER
K	INCORPORATED ECN 06463	03-12-20	J. GARDINER

PROTOTYPE REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED	CHANGE CODE	EFFECTIVITY	REVISED BY
SHEET 1 A3-2	PK1	ADDED SHEET 1 FOR PROTOTYPE REVISION TABLE F/N 36: P/N WAS 601.2587 IS MS16624-4037 F/N 35: P/N WAS 600.0741 IS NAS620C6 F/N 34: P/N WAS 601.2591 IS MS35275-211 F/N 33: P/N WAS 601.2939 IS MS28775-011 F/N 32: P/N WAS 601.2937 IS MS28775-008 F/N 31: P/N WAS 601.1084 IS NAS1611-006A F/N 30: P/N WAS 601.2936 IS MS28775-007 F/N 28: P/N WAS 601.2582 IS NAS1149C0663R REMOVED MAT'L AND SPEC NOTES REVISED NOTES F/N 24: P/N WAS 645.7513 IS 650.6513 F/N 23: P/N WAS 645.7510 IS 650.6510 F/N 23: DESCRIPTION WAS BURST DISC RETAINER IS BURST DISC ADAPTER F/N 20: P/N WAS 601.2241 IS M83461/2-902 F/N 19: P/N WAS 600.0289 IS 654.6412 F/N 18: P/N WAS 600.0288 IS 654.6411 F/N 17: P/N WAS 600.0260 IS 654.6410 F/N 16: P/N WAS 645.7511 IS 650.6511 F/N 16: ADDED QUANTITY OF 1 FOR .5902 AND .5903 CONFIGURATIONS F/N 15: P/N WAS 645.7512 IS 650.6512 F/N 14: DELETED (REPLACED 600.0258 WITH 601.3739) F/N 13: P/N WAS 601.1567 IS MS28775-012 F/N 12: P/N WAS 601.3001 IS M83461/2-905 F/N 12: ADDED QUANTITY OF 1 FOR ALL CONFIGURATIONS EXCEPT FOR .5901 AND .5914 F/N 11: P/N WAS 645.6401 IS 650.6301 F/N 6: P/N WAS 600.0262 IS MS19060-1012 ADDED 645.5916 CONFIGURATION ADDED F/NS 72, 73, 74 F/N 71: P/N WAS 601.4369 IS 601.4370 F/N 70: P/N WAS 652.4801 IS 601.4403 F/N 69: ADDED QUANTITY OF 1 FOR 645.5913 CONFIGURATION F/N 67: ADDED QUANTITY OF 1 FOR .5901-.5912 CONFIGURATIONS F/N 66: P/N WAS 601.1876 IS MS20995C20 F/N 66: QUANTIY WAS .5 FT IS A/R FOR ALL CONFIGURATIONS F/N 65: P/N WAS 645.7515 IS 650.6515 F/N 64: DELETED (REPLACED 601.3402 WITH M83461/2-904) F/N 63: P/N WAS 601.1090 IS M83461/2-906 F/N 62: P/N WAS 601.1088 IS M83461/2-904 F/N 62: REVISED QUANTITIES FOR ALL CONFIGURATIONS REMOVED MAT'L AND SPEC NOTES F/N 60: DELETED (REMOVED DECAL FROM ASSEMBLY) F/N 59: DELETED (REMOVED DECAL FROM ASSEMBLY) F/N 57: P/N WAS 601.0761 IS 601.2173 F/N 56: P/N WAS 600.0294 IS 654.6512 F/N 55: P/N WAS 601.1674 IS 654.6511 F/N 54: P/N WAS 601.2382 IS 654.6510 F/N 51: P/N WAS 601.1091 IS M83461/2-910 F/N 51: ADDED QUANTITY OF 1 FOR ALL CONFIGURATIONS F/N 47: P/N WAS 601.2940 IS M83461/2-908 F/N 46: P/N WAS 645.6402 IS 650.6302 F/N 45: P/N WAS 601.2946 IS MS35650-364 F/N 44: P/N WAS 645.6312 IS 650.6212 F/N 43: P/N WAS 645.6311 IS 650.6211 F/N 42: P/N WAS 645.6310 IS 650.6210 F/N 40: P/N WAS 601.2840 IS NAS1352C06-16 F/N 39: P/N WAS 601.2841 IS NAS1352C06-12 F/N 38: P/N WAS 601.2590 IS MS28775-022 ADDED 645.5916 CONFIGURATION COMPLETELY REVISED SHEET COMPLETELY REVISED SHEET (SPLIT VIEWS BETWEEN THIS SHEET AND PREVIOUS SHEET) COMPLETELY REVISED SHEET ADDED NEW SHEET FOR EXPLODED VIEWS ADDED NEW SHEET FOR EXPLODED VIEWS ADDED NEW SHEET FOR EXPLODED VIEWS ADDED NEW SHEET FOR EXPLODED VIEWS	03-23-21	J. GARDINER	MDI	NEXT ORDER	K. TAILOR
A8-2 B1-2 B3-2							
C3-2 D3-2 B3-3							
B8-3 C3-3							
D3-3							
SHEET 4 SHEET 5 SHEET 6 SHEET 7 SHEET 8 SHEET 9 SHEET 10							
SHEET 2, 3, 10 AND 11	PK2	BOM UPDATED, 645.5915 COMPONENT QUANTITIES UPDATED AND F/N 75 ADDED -4 FLARELESS OUTLET INSTALLATION DESCRIPTION UPDATED SHEET 11 ADDED, NEW OUTLET INSTALLATION VIEW ADDED	10-25-21	J. GARDINER	MDI	NEXT ORDER	C. MAVILA
SHEET 2 AND 7	PK3	REMOVED ALL CHANGES FROM PK1 AND PK2. CHANGED BOM FOR .5915. SHEET 7 ADDED. NEW CONFIGURATION ADDED FOR .5915 IN SHEET 7.	01-04-22	T. CROSS <i>T.C.</i>	MDI	NEXT ORDER	C. MAVILA

ORIGINAL DATE  
(MO-DA-YR)01/22/07

DRAWN BY  
E. ANDERSSON

DRAWING APPROVAL  
P. BRAVO  
01-22-07

CONTRACT No.

CHECKER  
P. BRAVO

DART  
AEROSPACE  
APICAL INDUSTRIES, INC.  
dba DART AEROSPACE

3030 ENTERPRISE CT.,  
SUITE A  
VISTA, CA. 92081  
(760)-724-5300

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:  
2 PLACE DECIMALS ±.01  
3 PLACE DECIMALS ±.005  
ANGLES ±.5°

SIZE  
B


CAGE CODE  
07MZ6

DWG. NO.  
645.5900

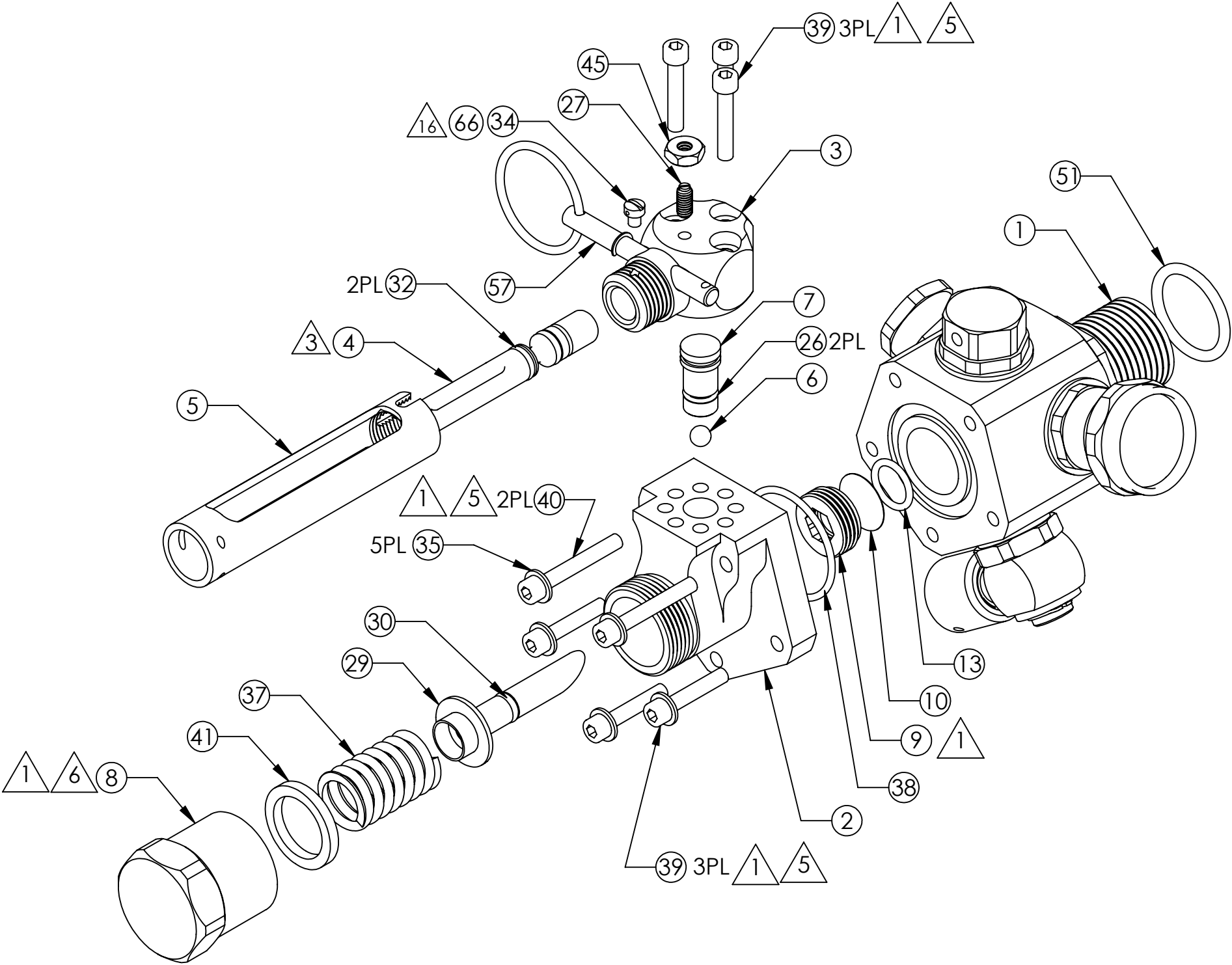
REV.  
PK3

SCALE NONE

SHEET 1 OF 7

QTY		PARTS LIST			
NEXT ASSY (\$)		ORIGINAL DATE (MO-DA-YR) 01-22-07		 <b>DART</b> 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. dba DART AEROSPACE	
646.7400		DRAWN BY E. ANDERSSON CHECKER P. BRAVO			
646.7500		DRAWING APPROVAL P. BRAVO 01-21-22-07			
650.2300		CONTRACT No.			
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		VALVE ASSEMBLY	
				SIZE B	CAGE CODE 07MZ6
		SCALE NONE		SHEET 2 OF 7	

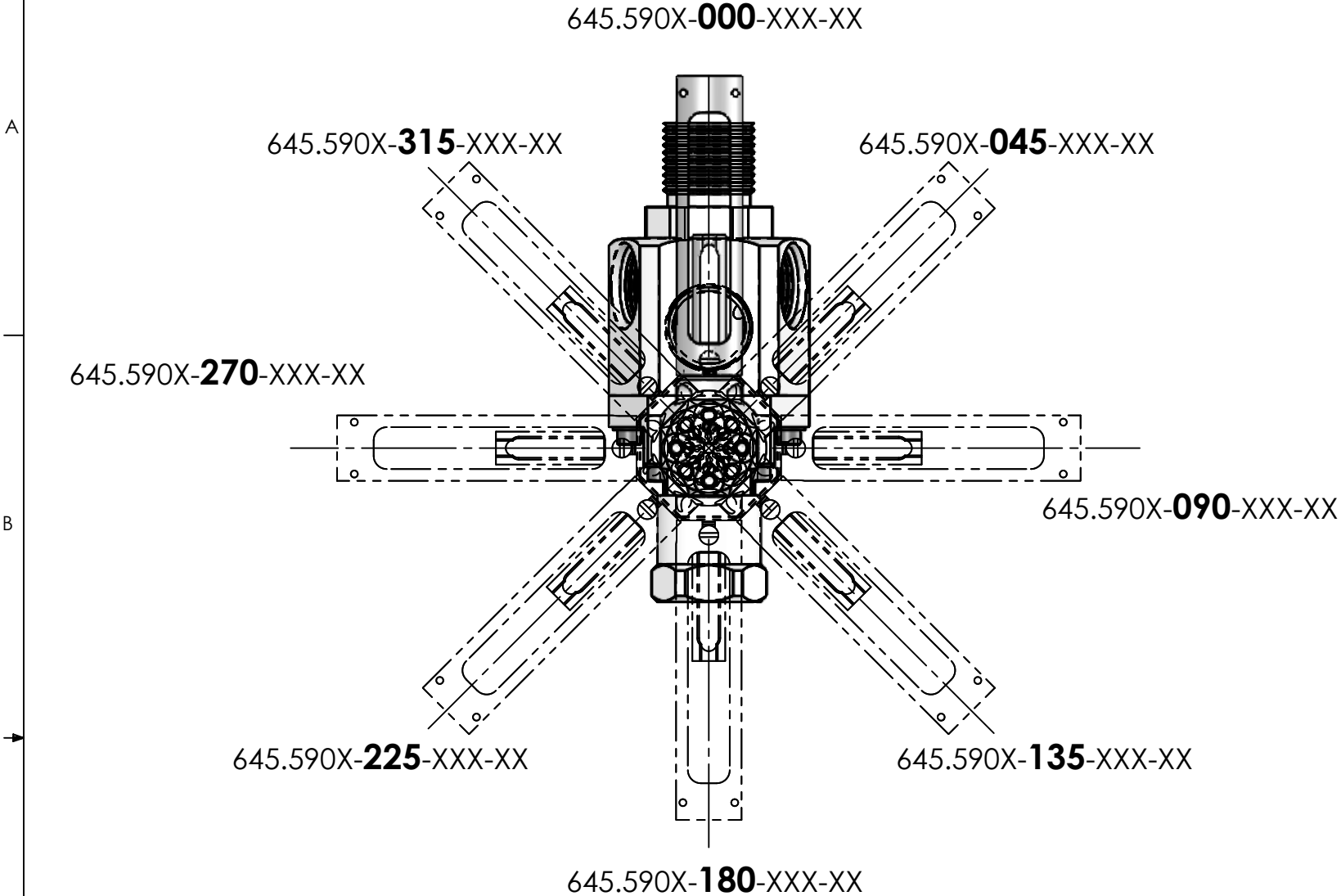
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645.5901 SHOWN, .5902, .5903, .5904, .5905, .5906 TYP  
PORT FITTINGS SHOWN EXPLODED ON SHEET 4

ORIGINAL DATE (MO-DA-YR) 01-22-07		<b>DART</b> 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY E. ANDERSSON	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 01-22-07		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		VALVE ASSEMBLY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B 07MZ6	REV. PK3
		DWG. NO. 645.5900	SHEET 3 OF 7
		SCALE NONE	

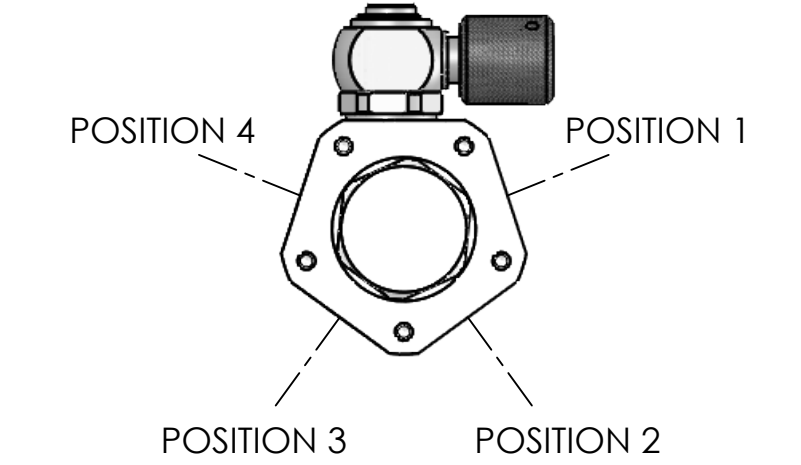
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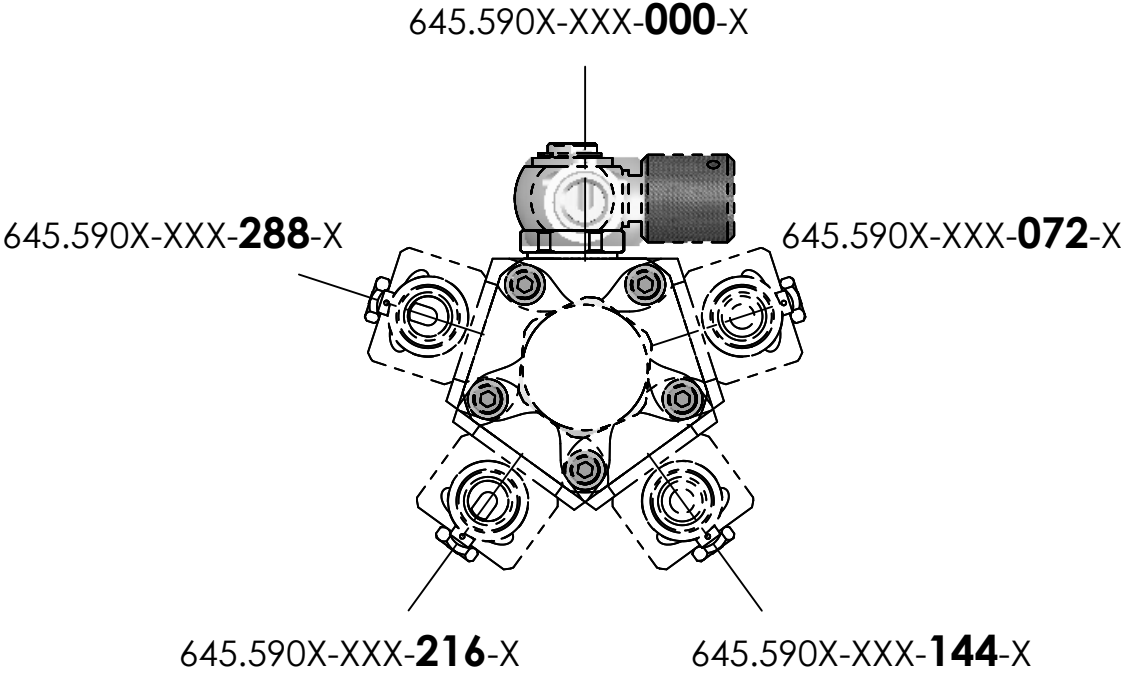
ANGLE OF PULL CABLE HOUSING (IN RELATION TO VALVE BODY)

CONFIGURATION TABLE				
CONFIGURATION	POSITION 1	POSITION 2	POSITION 3	POSITION 4
01	GAUGE	FILL FITTING	BURST	THERMAL
02	GAUGE	FILL FITTING	THERMAL	BURST
03	GAUGE	THERMAL	BURST	FILL FITTING
04	GAUGE	THERMAL	FILL FITTING	BURST
05	GAUGE	BURST	THERMAL	FILL FITTING
06	GAUGE	BURST	FILL FITTING	THERMAL
07	FILL FITTING	GAUGE	BURST	THERMAL
08	FILL FITTING	GAUGE	THERMAL	BURST
09	FILL FITTING	THERMAL	BURST	GAUGE
10	FILL FITTING	THERMAL	GAUGE	BURST
11	FILL FITTING	BURST	THERMAL	GAUGE
12	FILL FITTING	BURST	GAUGE	THERMAL
13	THERMAL	FILL FITTING	BURST	GAUGE
14	THERMAL	FILL FITTING	GAUGE	BURST
15	THERMAL	BURST	FILL FITTING	GAUGE
16	THERMAL	BURST	GAUGE	FILL FITTING
17	THERMAL	GAUGE	BURST	FILL FITTING
18	THERMAL	GAUGE	FILL FITTING	BURST
19	BURST	FILL FITTING	GAUGE	THERMAL
20	BURST	FILL FITTING	THERMAL	GAUGE
21	BURST	THERMAL	GAUGE	FILL FITTING
22	BURST	THERMAL	FILL FITTING	GAUGE
23	BURST	GAUGE	FILL FITTING	THERMAL
24	BURST	GAUGE	THERMAL	FILL FITTING

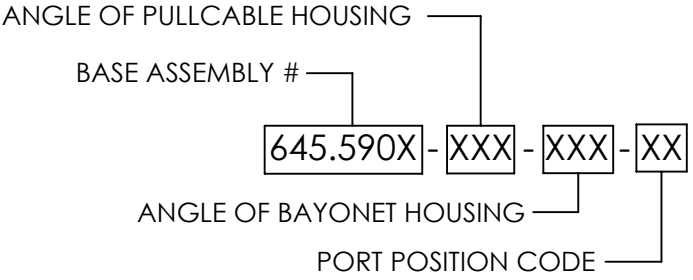
D



PORT POSITIONS (IN RELATION TO OUTLET PORT)



ANGLE OF BAYONET HOUSING (IN RELATION TO OUTLET PORT)



ORIGINAL DATE  
(MO-DA-YR) 01-22-07

DRAWN BY  
E. ANDERSSON

CHECKER  
P. BRAVO

DRAWING APPROVAL  
P. BRAVO  
01-22-07

CONTRACT No.

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:  
2 PLACE DECIMALS ±.01  
3 PLACE DECIMALS ±.005  
ANGLES ±.5°

**DART**  
AEROSPACE  
APICAL INDUSTRIES, INC.  
dba DART AEROSPACE

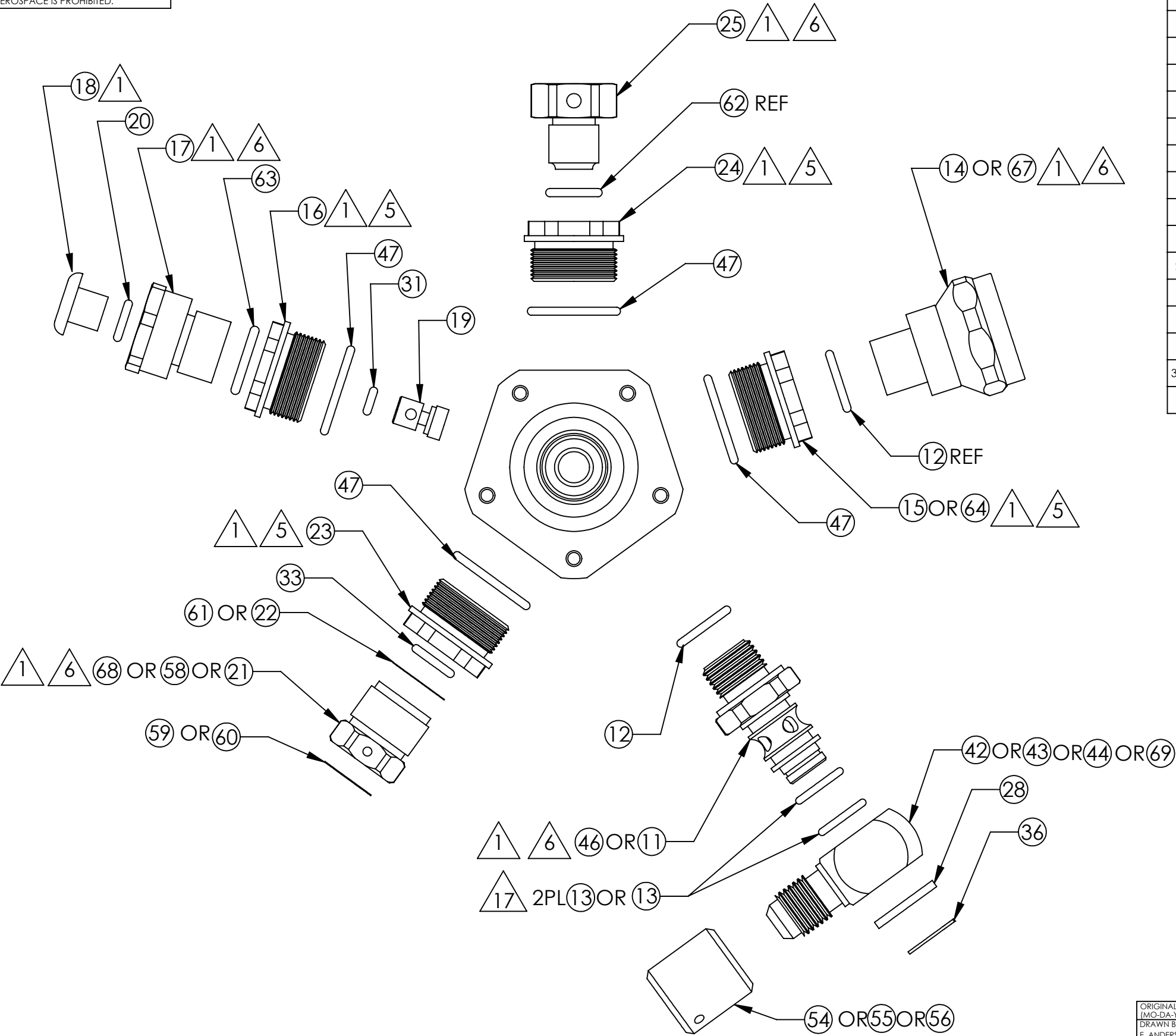
3030 ENTERPRISE CT.,  
SUITE A  
VISTA, CA. 92081  
(760)-724-5300

VALVE ASSEMBLY

SIZE B	CAGE CODE 07MZ6	DWG. NO. 645.5900	REV. PK3
SCALE NONE			SHEET 4 OF 7



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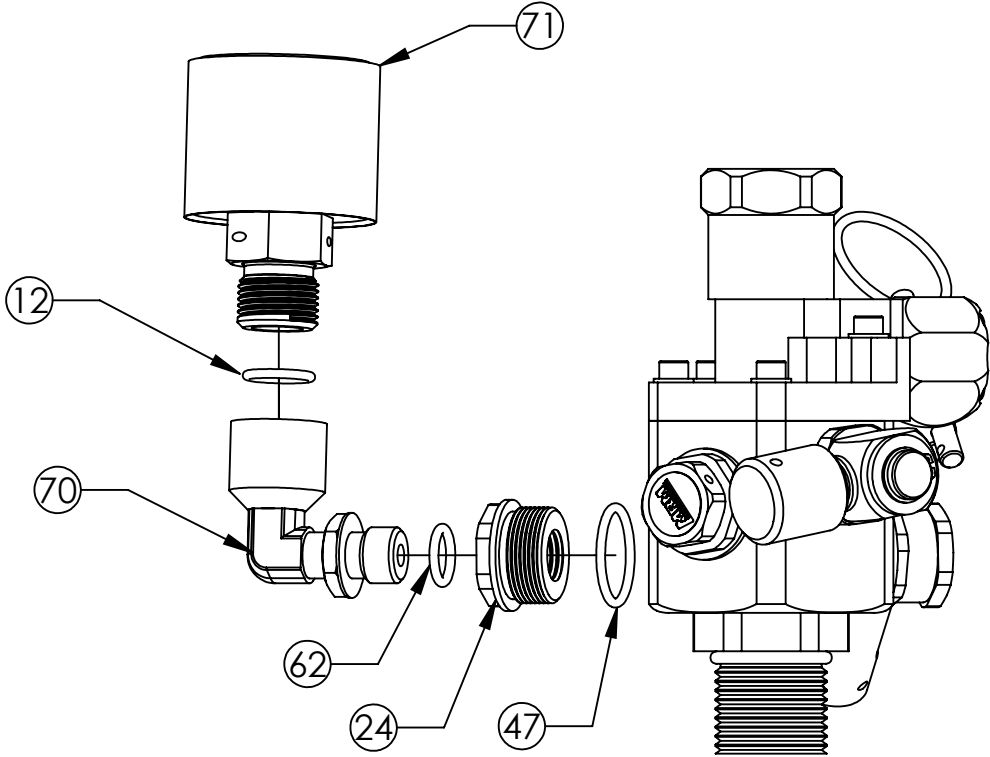


TORQUE TABLE		
F/N	DESCRIPTION	VALUE
8	SPRING CAP	10 FT-LBS
9	PUNCTURE DISC RETAINER	15 FT-LBS
11 OR 46	SWIVEL FITTING	30 FT-LBS
14	GAUGE	20 FT-LBS
15 OR 65	GAUGE ADAPTER	30 FT-LBS
16	FILL PORT ADAPTER	30 FT-LBS
17	FILL PORT	25 FT-LBS
18	PLUG FITTING	10 FT-LBS
21 OR 58	SAFETY DISC RETAINER	15 FT-LBS
23	BURST DISC ADAPTER	30 FT-LBS
24	THERMAL ADAPTER	30 FT-LBS
25	FUSIBLE PLUG	15 FT-LBS
39 AND 40	SOCKET HEAD CAP SCREW	10 IN-LBS
48	PRESSURE TRANSDUCER	30 FT-LBS

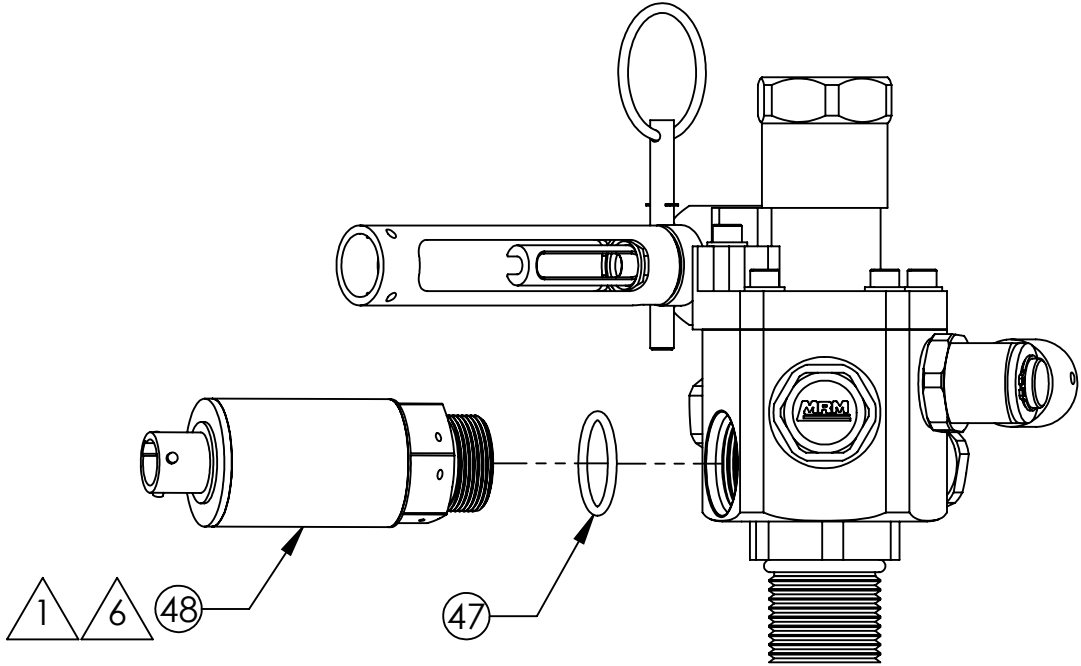
PORT FITTINGS, (645.590X-XXX-XXX-20 SHOWN)  
PULL CABLE HOUSING, VAVLE BODY, AND INTERNAL PARTS REMOVED FOR CLARITY

ORIGINAL DATE (MO-DA-YR) 01-22-07		<b>DART</b> 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY E. ANDERSSON	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 01-22-07		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		VALVE ASSEMBLY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°	SIZE B	CAGE CODE 07MZ6	DWG. NO. 645.5900
SCALE NONE		REV. PK3	
SHEET 5 OF 7			

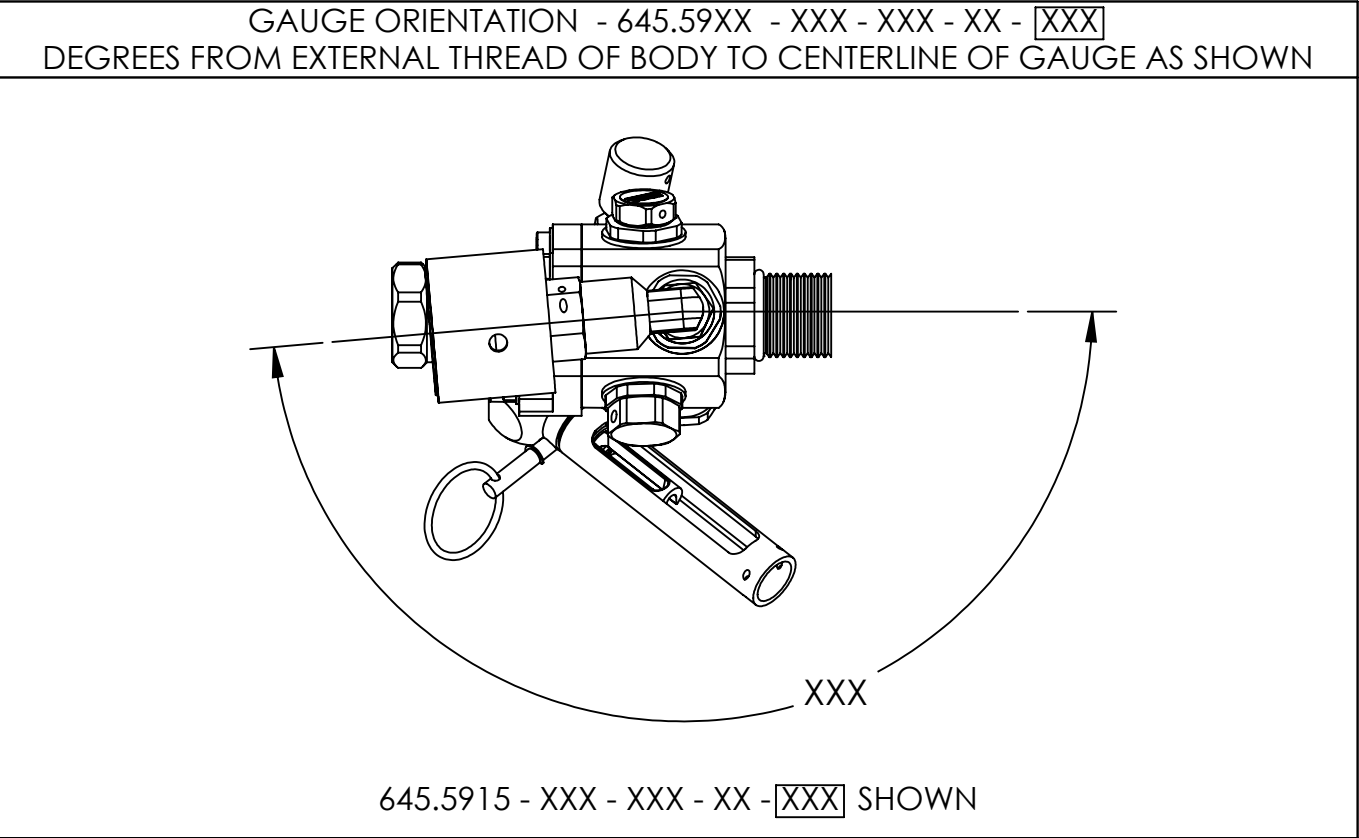
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645.5915 CONFIGURATION ONLY

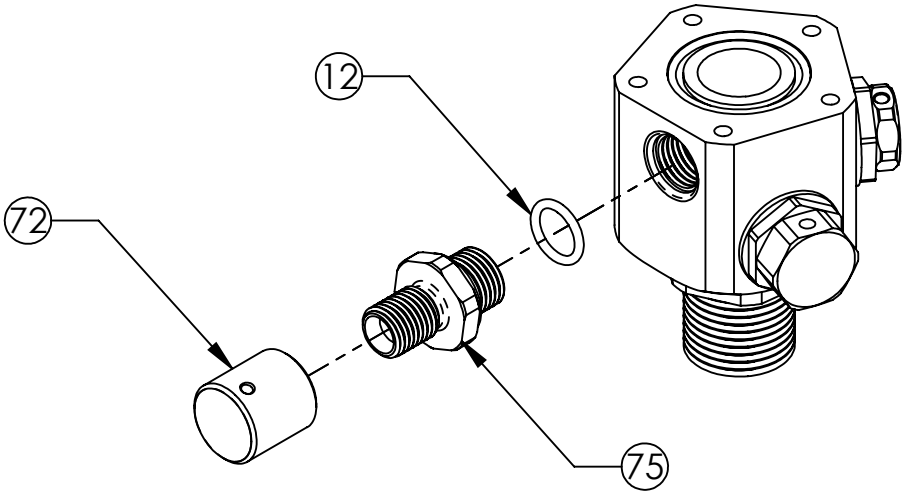


645.5914 CONFIGURATION ONLY



ORIGINAL DATE (MO-DA-YR) 01-22-07		<b>DART</b> 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY E. ANDERSSON	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 01-22-07		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		VALVE ASSEMBLY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	REV. PK3
		CAGE CODE 07MZ6	DWG. NO. 645.5900
		SCALE NONE	SHEET 6 OF 7

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**TYPICAL -4 FLARELESS STRAIGHT OUTLET INSTALLATION**

(INTERNAL COMPONENTS, PULL CABLE COMPONENTS AND THERMOMANOMETER HIDDEN FOR CLARITY)  
(APPLICABLE TO 645.5915 CONFIGURATION)

PK3

ORIGINAL DATE (MO-DA-YR) 01/22/07		<b>DART</b> 3030 ENTERPRISE CT., SUITE A <b>AEROSPACE</b> VISTA, CA. 92081 APICAL INDUSTRIES, INC. (760)-724-5300 dba DART AEROSPACE	
DRAWN BY E. ANDERSSON	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 01-22-07		VALVE ASSEMBLY	
CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	REV. PK3
		CAGE CODE 07MZ6	DWG. NO. 645.5900
		SCALE NONE	SHEET 7 OF 7